What is claimed is:

1.   1.   A method of communicating in a remote services system comprising:
2.   communicating a forward channel communication using a forward channel
3.   communication path;
4.   communicating a back-channel communication using a back-channel
5.   communication path, the back-channel communication path being
6.   established only after a forward channel communication path is
7.   established; and,
8.   using the back-channel communication path to multicast a message to a group
9.   of components.

1.   2.   The method of claim 1 wherein the message being multicast is an
2.   administrative control message.

1.   3.   The method of claim 1 wherein the message being multicast is a bulk
2.   transfer request.

1.   4.   The method of claim 1 wherein the message being multicast is a bulk
2.   data response.

1.   5.   The method of claim 1 wherein
2.   the remote services system includes an intermediate mid level manager, the
3.   intermediate mid level manager performing the multicast.

1.   6.   The method of claim 5 wherein
2.   the remote services system includes an applications mid level manager, the
3.   applications mid level manager sending a request to the intermediate
4.   mid level manager to perform the multicast.

1.   7.   A method of communicating in a remote services system comprising:
2.   assigning a plurality of components within the remote services system with a
3.   respective plurality of unique remote services identifiers;
4.   communicating a forward channel communication using a forward channel
5.   communication path;

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6   communicating a back-channel communication using a back-channel

7   communication path; and,

8   using the back-channel communication path to multicast a message to a group

9   of components based upon unique remote services identifiers

10   corresponding to components of the group of components.

1   8.   The method of claim 7 wherein the message being multicast is an

2   administrative control message.

1   9.   The method of claim 7 wherein the message being multicast is a bulk

2   transfer request.

1   10.   The method of claim 7 wherein the message being multicast is a bulk

2   data response.

1   11.   The method of claim 7 wherein

2   the remote services system includes an intermediate mid level manager, the

3   intermediate mid level manager performing the multicast.

1   12.   The method of claim 11 wherein

2   the remote services system includes an applications mid level manager, the

3   applications mid level manager sending a request to the intermediate

4   mid level manager to perform the multicast.

1   13.   A remote services system comprising:

2   a plurality of components, the plurality of components including a respective

3   plurality of unique remote services identifiers;

4   a forward channel communication path coupled to the plurality of

5   components;

6   a back-channel communications path coupled to the plurality of components,

7   the back-channel communications path allowing multicast of a

8   message to a group of components based upon unique remote services

9   identifiers corresponding to components of the group of components.

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1   14.   The system of claim 13 wherein the message being multicast is an

2   administrative control message.

1   15.   The system of claim 13 wherein the message being multicast is a bulk

2   transfer request.

1   16.   The system of claim 13 wherein the message being multicast is a bulk

2   data response.

1   17.   The system of claim 13 wherein

2   the plurality of components includes an intermediate mid level manager, the

3   intermediate mid level manager performing the multicast.

1   18.   The system of claim 17 wherein

2   the plurality of components includes an applications mid level manager, the

3   applications mid level manager sending a request to the intermediate

4   mid level manager to perform the multicast.

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